

FORM PTO-1390  
(REV. 01-2003)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

00017/02PCT

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (If known, see 37

(CFR) 5)

**10/516382**INTERNATIONAL APPLICATION NO.  
PCT/US2003/016786INTERNATIONAL FILING DATE  
29 MAY 2003PRIORITY DATE CLAIMED:  
30 MAY 2002

## TITLE OF INVENTION

METHODS AND APPARATUS FOR TREATING METAL ION CONTAINING STREAMS

## APPLICANT(S) FOR DO/EO/US

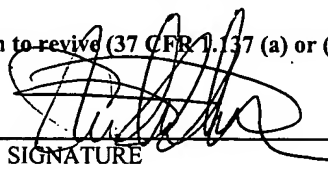
Ian Tunnicliffe and Raymond Mt.Joy

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (f). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☐ An English language translation of the International Application as file (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ has been communicated by the International Bureau.
  - d. ☐ has been communicated by the International Bureau.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

## Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the International application under 35 U.S.C. 154(d)(4).
20. ☐ Other items or information:

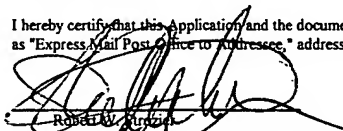
U.S. APPLICATION NO. (If known, see 37 CFR 1.53)		INTERNATIONAL APPLICATION NO.		ATTORNEY DOCKET NUMBER	
21. <input type="checkbox"/> The following fees are submitted: <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... <b>\$1060.00</b>  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... <b>\$900.00</b>  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$750.00</b>  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Articles 33(1)-(4) ..... <b>\$720.00</b>  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims satisfied provisions of PCT Articles 33(1)-(4) ..... <b>\$100.00</b>  <div style="text-align: right; padding-right: 20px;"><b>ENTER APPROPRIATE BASIC FEE AMOUNT=</b></div>				<b>CALCULATIONS PTO USE ONLY</b>	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				<b>\$0.00</b>	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	<b>\$0.00</b>	
Total claims	- 20 =	1	× \$18.00	<b>\$18.00</b>	
Independent claims	- 3 =	0	× \$84.00	<b>\$0.00</b>	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				× \$280.00	<b>\$0.00</b>
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$738.00</b>	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				<b>+</b>	
<b>SUBTOTAL =</b>				<b>\$369.00</b>	
Prosecuting fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority data (37 CFR 1.492(f)).				<b>\$0.00</b>	
<b>TOTAL NATIONAL FEE =</b>				<b>\$369.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				<b>+</b>	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$369.00</b>	
				<b>Amount to be refunded:</b>	
				<b>charged:</b>	
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>369</u> To cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ In the amount of \$ _____ to cover the above fees. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fee which may be required, or credit any overpayment to Deposit Account No. <u>501518</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information of this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.					
<b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.477 (a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO: <div style="text-align: right; margin-top: 20px;">               _____              SIGNATURE               _____              Robert W. Strozier              NAME               _____              34,024              REGISTRATION NUMBER           </div>					

10/516382

DT15 PCT/PTO 30 NOV-2004

**ROBERT W. STROZIER, P.L.L.C.**A FIRM SPECIALIZING IN INTELLECTUAL PROPERTY LAW INCLUDING  
PATENT, TRADEMARK, COPYRIGHT, TRADE SECRET LAW,  
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RWSTROZ@FLASH.NET

November 30, 2004

EV 510 916 679 US	CERTIFICATION UNDER 37 C.F.R. § 1.10	30 November 2004 Date of Deposit
I hereby certify that this Application and the documents referred to as enclosed therein are being deposited with the United States Postal Service in an envelope as "Express Mail Post Office to Addressee," addressed to:		
 Commissioner for Patents MS PCT P.O. Box 1450 Alexandria, VA 22313-1450		
		30 November 2004 Date of Signature

Honorable Commissioner for Patents  
MS PCT  
P.O. Box 1450  
Alexandria, VA 22313-1450Attorney Docket No:  
**00017/02US**

RE: **US PN: ; ID; SN: ; FD: ; based on PCT/US2003/016786**  
**Title: Methods and Apparatus for Treating Metal Ion Containing Streams**  
**Our Ref. No.: 00017/02US**

Dear Sir/Madam:

This letter is a request to file a **Utility Patent Application** under 37 U.S.C. § 371 including:  
 (1) **FORM PTO-1390**; (2) **Copy of Request as filed**; (3) **Copy of PCT/IB/308**; (4) **Copy of PCT/IB/304**; (5) **Copy of PCT/IB/301**; (6) **Copy of PCT/ISA/220**; (7) **Copy of PCT/ISA/210**;  
 (8) **Copy of References**; (9) **Copy of PCT Published Application WO03072902**; (10) **Petition to Revive Unintentional Abandonment**; and (11) a **Return Receipt Postcard**.

Please address all correspondence in connection with this application to customer number:

**23873**

Very truly yours,

  
 Robert W. Strozier

RWS/sls

Enclosures:

FORM PTO-1390 PCT Nationalization under 35 USC 371  
Listed PCT Documents  
Return Self-Addressed Stamped Postcard